

# BEFORE USING YOUR CONTROL BOX:

- Battery isolator (clear plastic tab) has been removed from the FOB allowing for the battery to power the remote.
- Use only within range of the box and there is no dense obstruction such as a battery impeding the signal transmission.
- IR Remotes: There is a clear line-of-sight between the remote and IR receiver and it is not blocked by anything.  
IR is like your TV remote it can not transmit through any material (not even glass). We find that the best place to mount the IR receiver is on the bottom right corner of the windshield. The ColorSHIFT 2.0 receiver can be exterior mounted.
- RF Remotes: The antenna must be extended in order to maximize the range. This could be the antenna on the remote or on some models the box antenna (white wire) depending on the model.
- Be sure to connect the control box to a *constant* power source and install an in-line 3A fuse within 1' of the power source.
- The control box is GROUNDED well. The LEDs that are connected to the box are all controlled through the **Ground Wire**.  
If the remote does not have a good ground the LEDs will have a good ground and the lights may not function correctly.

PRO TIP: WANT TO SEE IF YOUR IR REMOTE IS TRANSMITTING A SIGNAL?  
YOU CAN USE YOUR SMARTPHONE TO SEE THE INFRARED SIGNAL WAVES.  
CHECK OUT HOW HERE:

# REMOTE BOX GROUNDING GUIDELINES:

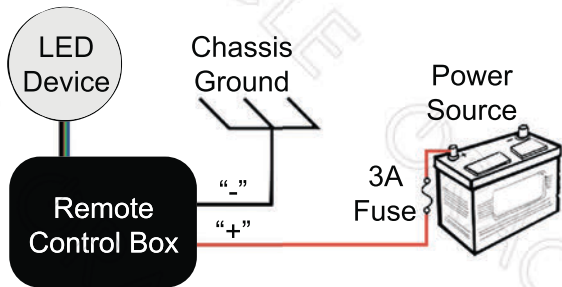
*In order to get the best results you must have a good ground, follow these guidelines for best results:*

- 1- Be sure the Ground is thick **METAL** that somehow ties into the vehicle's chassis.
- 2- Clean the metal mounting surface with wire brush or sandpaper until it is very **SHINY**.
- 3- Make sure the ground wire is as **SHORT** as possible, there should be no extra slack.
- 4- Ground wire should be **THICK**, ideally 16-14awg stranded copper primary cable.
- 5- Connection should have a non-insulated Ring Terminal Soldered to the Ground wire.
- 6- Ground should not have several other components grounded to the same location.
- 7- Install Control box in a dry location where the best chassis ground in nearby (2-3ft max).

## REMOTE TYPES:

IR= "Infrared"  
Direct Line-of-Sight Signal.

RF= "Radio Frequency"  
Transmits by Antenna.



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